

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032125AL\
 Data File : FE052926.D
 Signal(s) : FID1B.ch
 Acq On : 21 Mar 2025 22:52
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/24/2025
 Supervised By :mohammad ahmed 03/25/2025

Integration File: autoint1.e
 Quant Time: Mar 22 00:16:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 03 13:39:39 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.907	3220269	19.102 ug/ml
Spiked Amount 50.000		Recovery =	38.20%
12) S 1-chlorooctadecane (S...	13.352	2414648	19.886 ug/ml
Spiked Amount 50.000		Recovery =	39.77%
Target Compounds			
1) T n-Nonane (C9)	3.245	2924011	18.858 ug/ml
2) T n-Decane (C10)	4.507	3073583	19.565 ug/ml
3) T A~Naphthalene (C11.7)	6.221	3272727	19.298 ug/ml
4) T n-Dodecane (C12)	6.688	3077827	19.768 ug/ml
5) T A~2-methylnaphthalene...	7.324	3127213	19.297 ug/ml
6) T n-Tetradecane (C14)	8.526	3026071	19.999 ug/ml
7) T n-Hexadecane (C16)	10.141	3063680	20.039 ug/ml
8) T n-Octadecane (C18)	11.591	3020395	19.853 ug/ml
10) T n-Eicosane (C20)	12.906	2856536	19.677 ug/ml
11) T n-Heneicosane (C21)	13.520	2774071	19.491 ug/ml
13) T n-Docosane (C22)	14.108	2797713	19.659 ug/ml
14) T n-Tetracosane (C24)	15.215	2901019	20.271 ug/ml
15) T n-Hexacosane (C26)	16.239	2924171	20.565 ug/ml
16) T n-Octacosane (C28)	17.191	3056307	21.494 ug/ml
17) T n-Tricontane (C30)	18.081	3356877	22.728 ug/ml
18) T n-Dotriacontane (C32)	18.916	3384736	23.314 ug/ml
19) T n-Tetratriacontane (C34)	19.702	3071426	22.789 ug/ml
20) T n-Hexatriacontane (C36)	20.443	2650499	22.306 ug/ml
21) T n-Octatriacontane (C38)	21.185	2448455	22.071 ug/ml
22) T n-Tetracontane (C40)	22.106	2442638	22.593 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

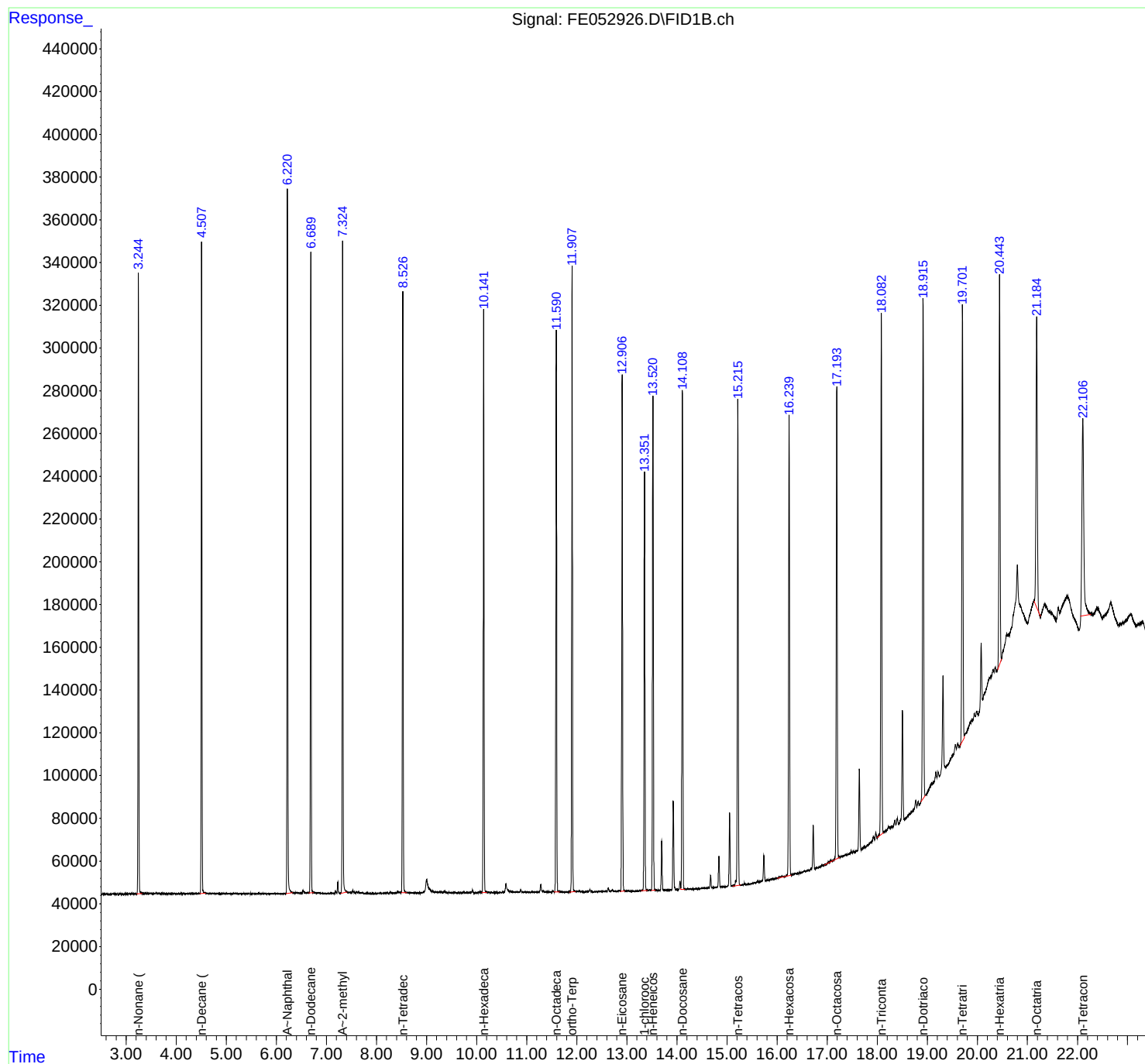
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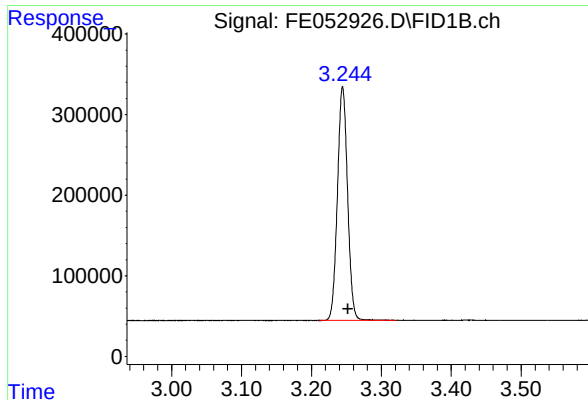
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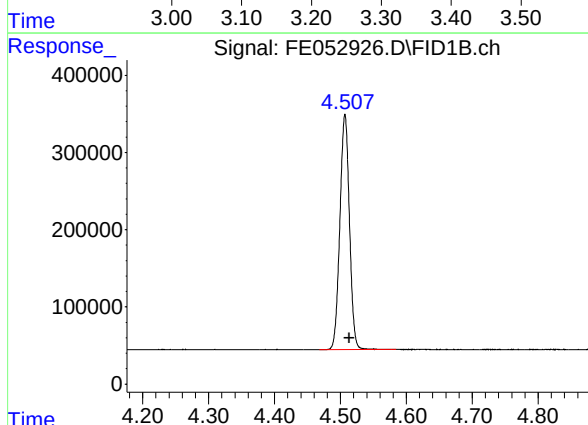
#1 n-Nonane (C9)

R.T.: 3.245 min
Delta R.T.: -0.007 min
Response: 2924011
Conc: 18.86 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

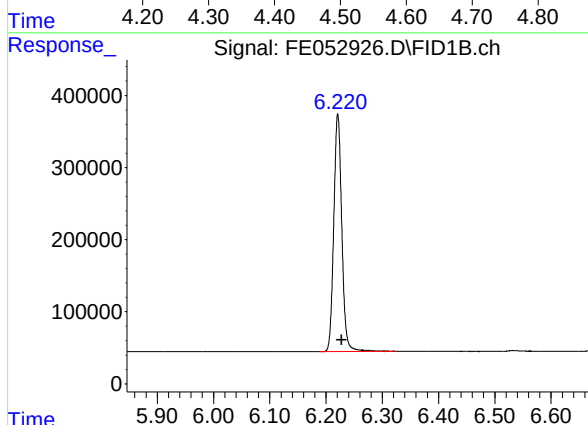
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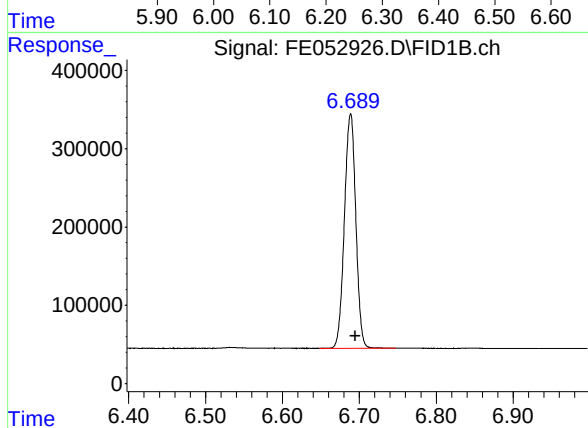
#2 n-Decane (C10)

R.T.: 4.507 min
Delta R.T.: -0.007 min
Response: 3073583
Conc: 19.57 ug/ml



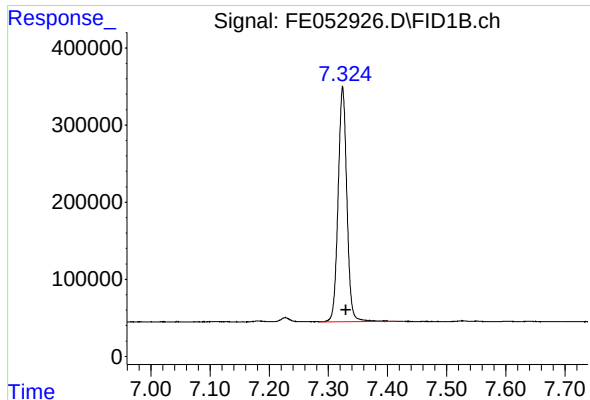
#3 A~Naphthalene (C11.7)

R.T.: 6.221 min
Delta R.T.: -0.007 min
Response: 3272727
Conc: 19.30 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.688 min
Delta R.T.: -0.006 min
Response: 3077827
Conc: 19.77 ug/ml



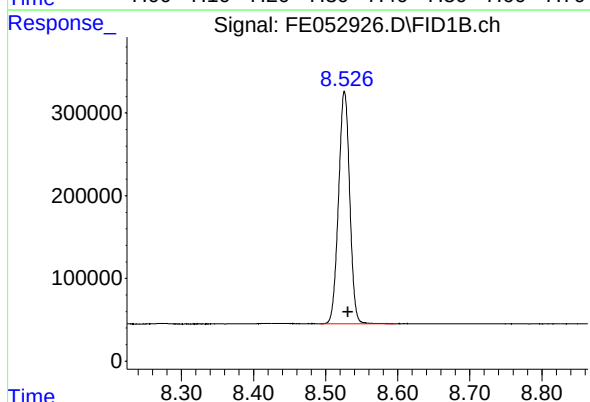
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.324 min
Delta R.T.: -0.005 min
Response: 3127213
Conc: 19.30 ug/ml

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20 PPM ALIPHATIC HC STD

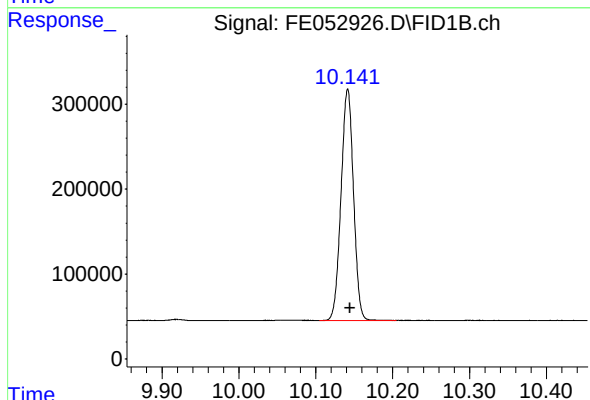
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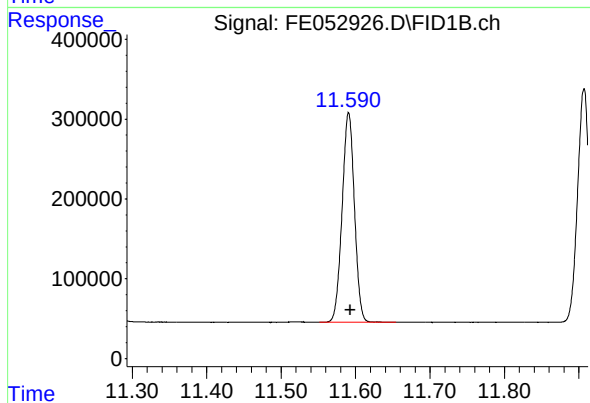
#6 n-Tetradecane (C14)

R.T.: 8.526 min
Delta R.T.: -0.005 min
Response: 3026071
Conc: 20.00 ug/ml



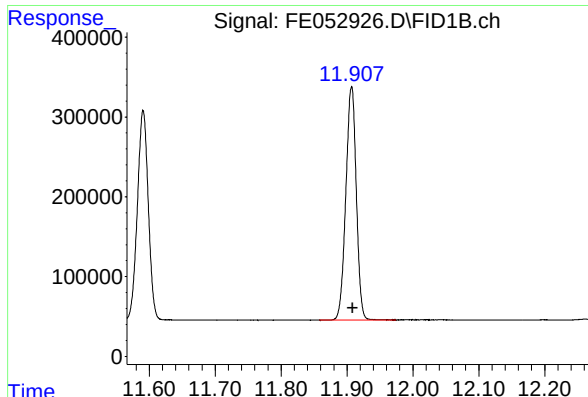
#7 n-Hexadecane (C16)

R.T.: 10.141 min
Delta R.T.: -0.003 min
Response: 3063680
Conc: 20.04 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.591 min
Delta R.T.: -0.002 min
Response: 3020395
Conc: 19.85 ug/ml



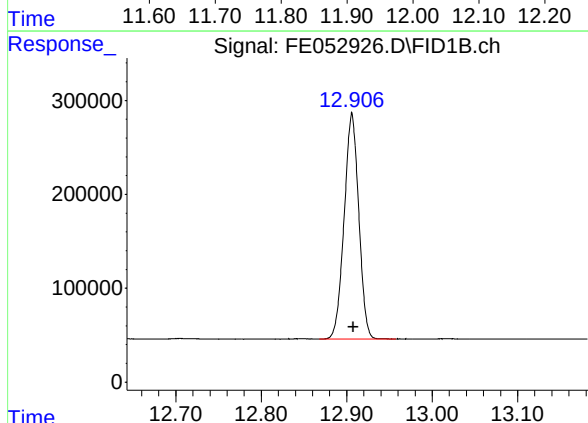
#9 ortho-Terphenyl (SURR)

R.T.: 11.907 min
Delta R.T.: -0.002 min
Response: 3220269
Conc: 19.10 ug/ml

Instrument : FID_E
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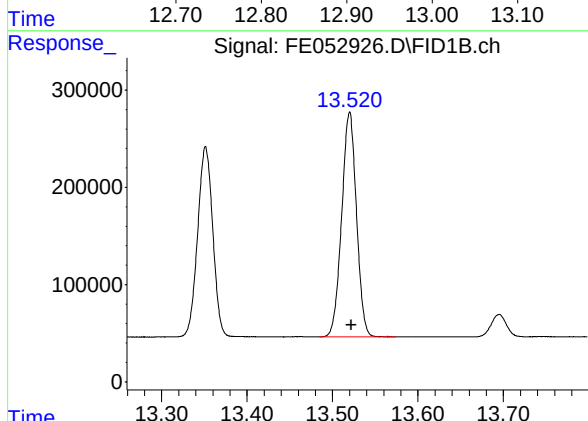
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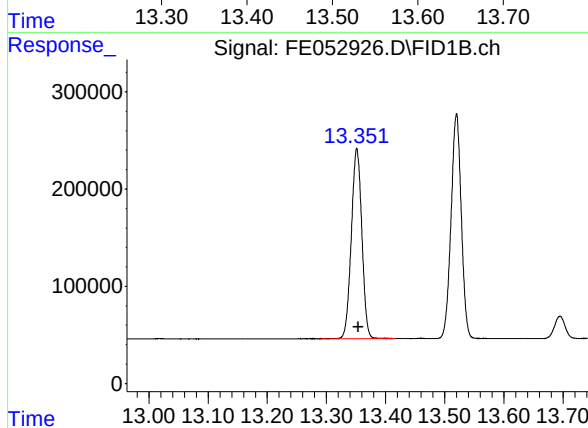
#10 n-Eicosane (C20)

R.T.: 12.906 min
Delta R.T.: -0.002 min
Response: 2856536
Conc: 19.68 ug/ml



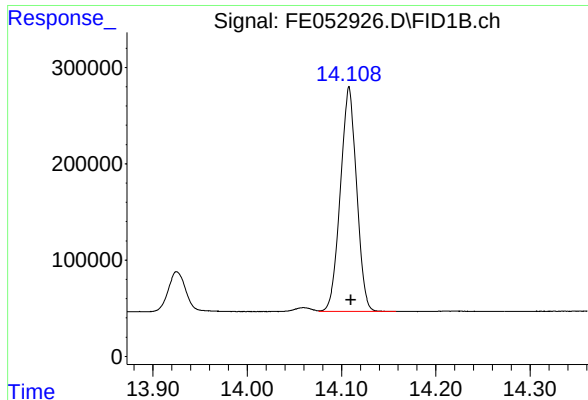
#11 n-Heneicosane (C21)

R.T.: 13.520 min
Delta R.T.: -0.002 min
Response: 2774071
Conc: 19.49 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.352 min
Delta R.T.: -0.003 min
Response: 2414648
Conc: 19.89 ug/ml



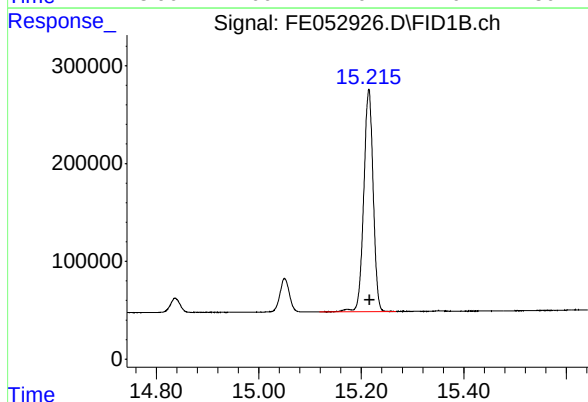
#13 n-Docosane (C22)

R.T.: 14.108 min
Delta R.T.: -0.002 min
Response: 2797713
Conc: 19.66 ug/ml

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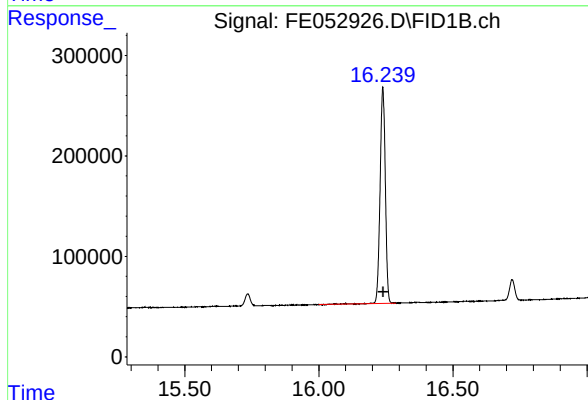
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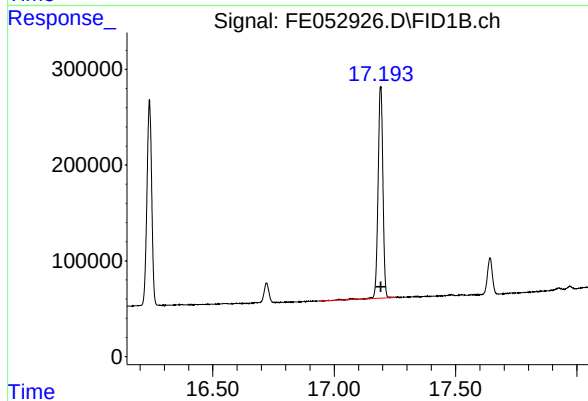
#14 n-Tetracosane (C24)

R.T.: 15.215 min
Delta R.T.: -0.001 min
Response: 2901019
Conc: 20.27 ug/ml



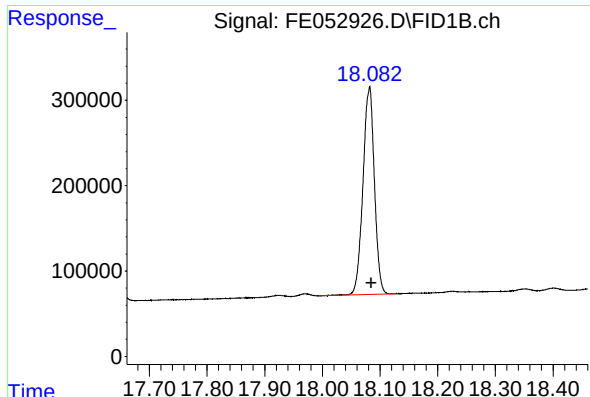
#15 n-Hexacosane (C26)

R.T.: 16.239 min
Delta R.T.: -0.002 min
Response: 2924171
Conc: 20.56 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.191 min
Delta R.T.: 0.000 min
Response: 3056307
Conc: 21.49 ug/ml



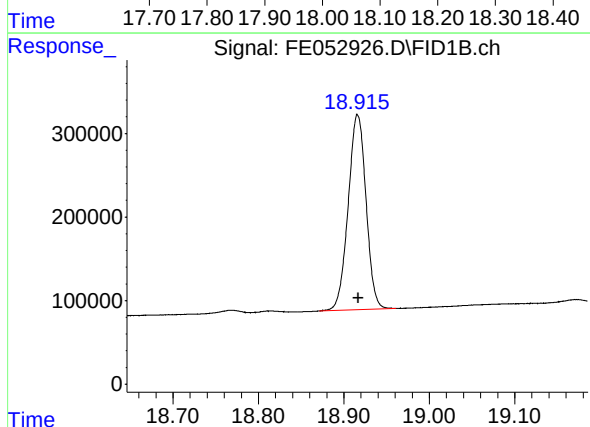
#17 n-Tricontane (C30)

R.T.: 18.081 min
Delta R.T.: -0.004 min
Response: 3356877
Conc: 22.73 ug/ml

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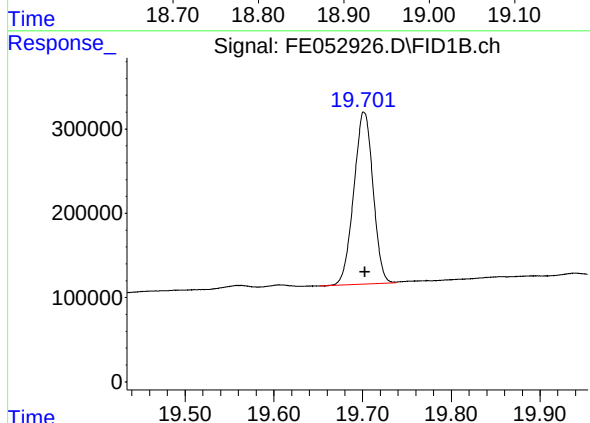
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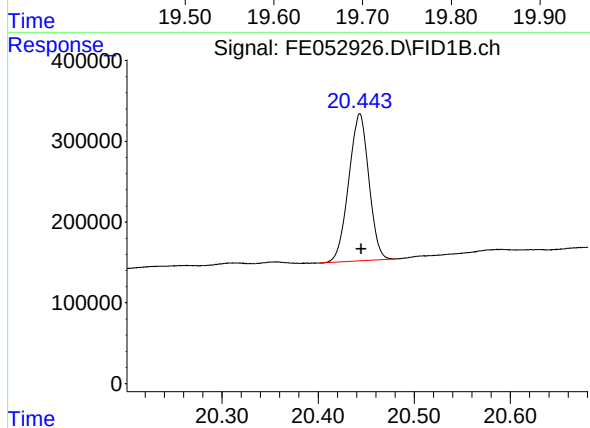
#18 n-Dotriacontane (C32)

R.T.: 18.916 min
Delta R.T.: 0.000 min
Response: 3384736
Conc: 23.31 ug/ml



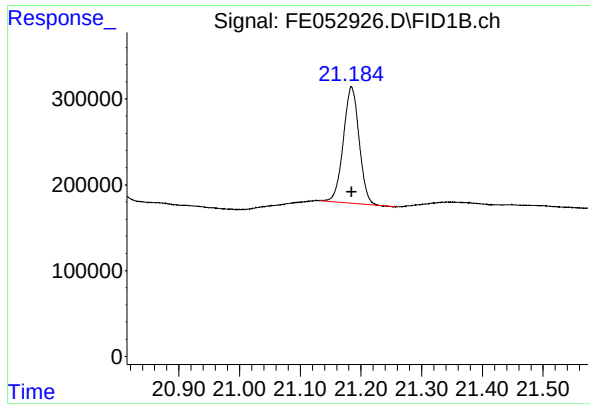
#19 n-Tetatriacontane (C34)

R.T.: 19.702 min
Delta R.T.: 0.000 min
Response: 3071426
Conc: 22.79 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.443 min
Delta R.T.: -0.002 min
Response: 2650499
Conc: 22.31 ug/ml



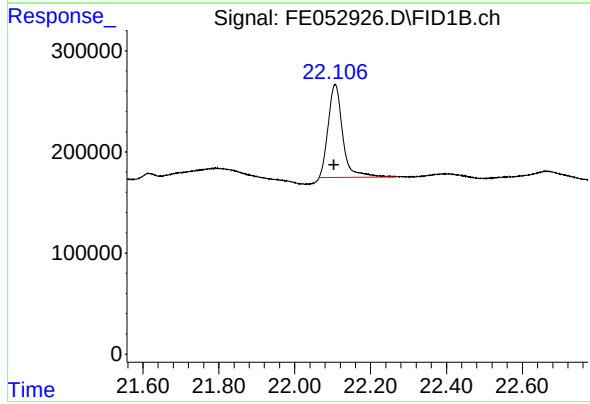
#21 n-Octatriacontane (C38)

R.T.: 21.185 min
Delta R.T.: 0.000 min
Response: 2448455
Conc: 22.07 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.106 min
Delta R.T.: 0.002 min
Response: 2442638
Conc: 22.59 ug/ml m